



we make systems

1989–2019: 30 years of Prüllage

Crisis-proof for the future

The 30th anniversary of our company has set a lot in motion internally. Not only do we have a new logo with a new, internationally understandable slogan („We make systems“), **Prüllage®** has also now become a registered trademark. We want to make it clear to the outside world that we are a competent partner for both agriculture and industrial automation.



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Years of experience, high-quality products and a qualified team of employees ensure that we are among the leading suppliers of turnkey livestock housing systems and automation technology. This is demonstrated by more than 1,500 successfully completed projects at home and abroad and as many satisfied customers.

To meet the ever-increasing requirements in connection with „Smart Farming“ (Agriculture 4.0), we have developed an innovative embedded system as an all-in-one solution: the MELARECON control system; as part of an EU-funded project. This is an industry-independent automation system that is offered as an integrated solution.



Our customers make a deliberate choice to opt for Made-in-Germany quality. Our in-house metalworking and control cabinet manufacturing play a major role in this. This also applies to plastic parts, which are manufactured by established partners in the region using our moulds. This proximity enables us to be in control and directly influence the outstanding quality of our products at any time.

Our own construction company „PS-Systembau“ perfectly supplements our offer. Which means that, with the construction of barns and halls, interior equipment and complete automation technology, we are one of the few suppliers who can score points by offering a one-stop-shop concept.

FOREWORD



Dear readers,

this year, everything is different. A small virus called corona has turned life on its head, not only in the business sector, but normal everyday life as well. We have all been required to adapt to changing rules. However, the most important thing, in my opinion, is to look ahead with confidence. As an established company with more than 30 years' expertise in the market, we are one of the leading manufacturers of animal housing technology. We have a great team and solid partners, including ROXELL and JANSEN, on whom we can rely. That makes for a good feeling!

Our expertise includes turnkey barn concepts as well as state-of-the-art automation programmes for poultry and pig farming. One thing is clear, we will continue to expand our market position in the future. Not least because of our numerous in-house developments. Early on, we realised that digitising livestock housing is the concept of the future. Agriculture 4.0 is our motto!

In 2020, almost all trade fairs were cancelled. But despite that, we haven't been idle. So let's hope that the health experts will soon succeed in getting the coronavirus under control. Even if the world may no longer be the same as before, we know that life goes on. In this spirit,

Best regards from Ludger Prüllage

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Innovative, animal-friendly products

The Animal Welfare Initiative

More animal-friendly and sustainable meat production, as called for by the Animal Welfare Initiative, is a good thing. The partners in this initiative are farmers, the meat industry, the food trade and consumers. They all want to extend the standards in livestock farming for pigs and poultry throughout the market. Around 600 million pigs, chickens and turkeys currently benefit from this.

The specific aim of the initiative is to establish animal welfare on a large scale in agricultural production, the meat industry



and food retailing. It should definitely not be a niche solution for a few animals and farms. Compliance with animal welfare criteria is continuously monitored during independent checks.

We at Prüllage Systeme GmbH find the idea extremely commendable. That's why we support farmers in converting their barns. We have specifically developed the following innovative products for this purpose:

Easy supplemental straw pellet feeding with the Prüllage StrawMat



- StrawMat dosing machine 17 L for straw pellets
- PigToyHolder = height-adjustable stainless steel holder for organic material (e.g. alfalfa nibble sticks)
- Manger e.g. for straw, very compact, easy to retrofit
- Drinking troughs for sows, piglets and fattening pigs
- High-pressure spray cooling

In addition, we are certified by the Animal Welfare Initiative for the implementation of annual barn climate and drinking trough water checks. Healthy animals and a maximum yield will enable you to achieve financial success.



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New roosting areas for turkeys

Enlarge your barn area

If both animals and humans benefit from a product, this is a classic win-win situation. This is exactly what the new roosting areas for turkeys from Prüllage GmbH are all about. This is an extremely stable, easy-to-install and easy-to-use stainless steel folding system which increases the surface area by up to ten percent. The plastic grids are highly perforated, thereby ensuring the drainage of manure.

The system is extremely easy to clean. It simply folds up against the wall for mucking. This ensures optimum barn hygiene.

For the turkeys, the elevated roosting area is very convenient, as by nature they like to sit high up. Here they can retire, clean themselves or simply rest if necessary. Another advantage is increased movement, as the turkeys have to flutter or jump up to roost. This strengthens their leg muscles and has the added benefit of minimising aggressive confrontation with other turkeys. This species-appropriate housing reduces social stress and thus increases the fowls' well-being.

The height-adjustable roosting surfaces from Prüllage Systeme are optionally available without feet. Not only are they useful in the turkey barn, they're also suitable for rearing broiler chickens. The new roosting surfaces are also certified for use in Austria - for both turkeys and chickens intended for meat production.



Stormproof & reliable

ROXELL feed silos certified according to German structural standards

Both the German and European regulations for feed silos have been tightened again. This primarily concerns the structural safety of the steel structures, i.e. the strength of the legs and funnel struts in particular. Ultimately, the silos, which are up to nine metres high, must be able to withstand extremely high winds of up to 30 metres per second.

Following an additional inspection by ROXELL in accordance with German regulations, the feed silos have now been officially certified for the German market. To be on the safe side, the company has reinforced the silo shell with even thicker steel plates for the German market.

„Germany is an important market for ROXELL,” says Frank Hartmann, the company’s Marketing Manager. „It is therefore essential that we adapt our products to local requirements. It goes without saying that the silos already meet the legal requirements when they are commissioned. But, with the tightening of the German regulations, we have also tested the silos for extreme wind speeds.”

For the rest of the European market, ROXELL also produces feed silos for wind speeds of up to 26 m/s. Their capacity ranges from 2.5 to 32.4 tons, the volume being determined by the diameter and number of rings. All metal silos comply with the EN 1090 standard, which defines the criteria for the production of steel and aluminium structures.



Comfort 2.0 Inside®

Aviary system for laying hens

When it comes to comfort, people and animals have very similar requirements. In the case of livestock, this has the added effect of increased economic efficiency. In this respect, the new Comfort 2.0 Inside® aviary system for laying hens from Jansen Poultry Equipment represents a win-win situation for humans and animals.

How does this system differ from others? For starters, there are different levels that the hens can move to easily, because they are connected by wire-mesh stairs. This ensures that the animals can move around much more easily in the barn despite the increased stock density.

If the laying hens feel comfortable in their housing, they lay more eggs. Here’s where LayMaxx® laying nests with a tilting floor come into play. They provide an ideal environment for hens to lay their eggs. An additional advantage: system and floor eggs are kept to a minimum.

Because the animals can move around freely within the system, there is no need for proximity platforms, which

means the aisles can be wider. And because the farmer has a clear view of the aviary, it also makes the necessary inspections much easier.

As each level of the system is equipped with TwinWorld plastic grids or open structure wire grids and droppings belts for rapid manure removal, this results in exemplary hygiene throughout the entire barn. Last but not least: the integrated ventilation tube is ideal for supplying good, clean air to the barn. It also has a positive influence on the droppings drying process.

All in all, it leaves nothing to be desired in terms of comfort!



Career development at Prüllage Systeme

Electrical engineer – an „electrifying“ profession

Training as an electrical engineer prepares you for a job that promises lots of variety. At Prüllage Systeme – this is guaranteed, as we are a certified specialist electrical engineering company and also a diversified company where the range of tasks is also extremely varied. More specifically: we train electrical engineers in the field of energy and building technology. A prerequisite for this is a secondary school qualification. Good grades in ma-



thematics and physics are also an advantage. We definitely require a good technical understanding as well as technical skills. The training lasts three and a half years.

An electrical engineer assembles, tests, installs, measures and analyses. Devices

are put into operation, others are repaired. As a trained worker, you will also be advising and supporting customers. One step at a time.

Our training is deliberately practice-oriented. You'll be trained in the control cabinet in the company's own electrical workshop, but work is also carried out directly at the customer's premises, which means that theoretical knowledge can be immediately put into practice.

Every trainee is a permanent part of the service team at our company. Our technicians are especially pleased with their support for all repair and maintenance work. The training content includes the following topics:

- Designing systems
- Installing and commissioning measurement and control equipment
- Configuring and programming automation systems
- Checking and maintaining automated systems

Prüllage Systeme GmbH is an acknowledged pioneer in the market for the digitisation of agriculture. This means we develop future-oriented automation and networking technology for the entire agri-

cultural sector. „Agriculture 4.0“ simply means that we are already creating tomorrow's livestock facilities today.



In order for all this to continue into the future, we need committed young professionals. That's why we guarantee all our trainees a good, solid and varied education. You'll enjoy working in our friendly environment. Teamwork is a matter of course and part of day-to-day operations. In addition, we offer the best chances of being taken on as a permanent employee once you complete the training. After all, nothing beats a secure workplace, and for us, well-trained employees!

New to the poultry housing technology team

Christoph Nemann is certified technician specialised in mechanical engineering. For many years, he has worked for well-known manufacturers of poultry housing facilities and knows what's involved.

Jan-Bernd Völkerding is also a specialist in livestock housing technology. He studied business administration and agricultural sciences. This part-time farmer was previously engaged in marketing agricultural assets.

Here are their contact details:

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